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Your source for Ford product info

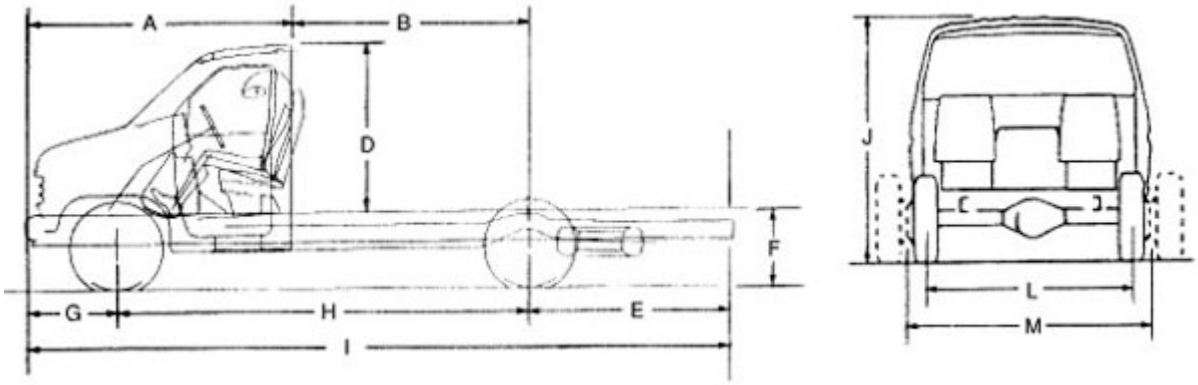
2022 E-Series

Specs

Key product specifications include vehicle dimensions and capacities, detailed powertrain information, transmission gear ratios and more.

2022 E-Series > Specs > Dimensions/Weights/Capacities

Body Dimensions — E-350/E-450 Cutaway



Series		E-350			E-450	
Model		Cutaway			Cutaway	
		SRW/DRW	SRW/DRW	DRW	DRW	DRW
Code	Description					
A	Cab Length	92.5	92.5	92.5	92.5	92.5
B	Cab Rear to Rear Axle	80.0	100.0	118.0	100.0	118.0
D	Top of Frame to Top of Cab	58.4	58.4	58.4	58.4	58.4
E	Rear Overhang	68.5	68.5	68.5	68.5	68.5
F	Load Height (Loaded)	25.9/26.2	25.9/26.2	26.2	26.0	26.0
G	Front Overhang	34.6	34.6	34.6	34.6	34.6
H	Wheelbase	138.0	158.0	176.0	158.0	176.0
I	Overall Length	241.1	261.1	261.1	261.1	261.1
J	Cab Height (Curb)	80.3/80.3	80.3/80.4	80.0	80.5	80.4
L	Front Track	69.4	69.4	69.4	69.4	69.4

M	Rear Track Dual — Rear	72.1/75.4	72.1/75.4	75.4	77.7	77.7

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

NOTE: Rear jacking point — located under rear axle between U-bolts.

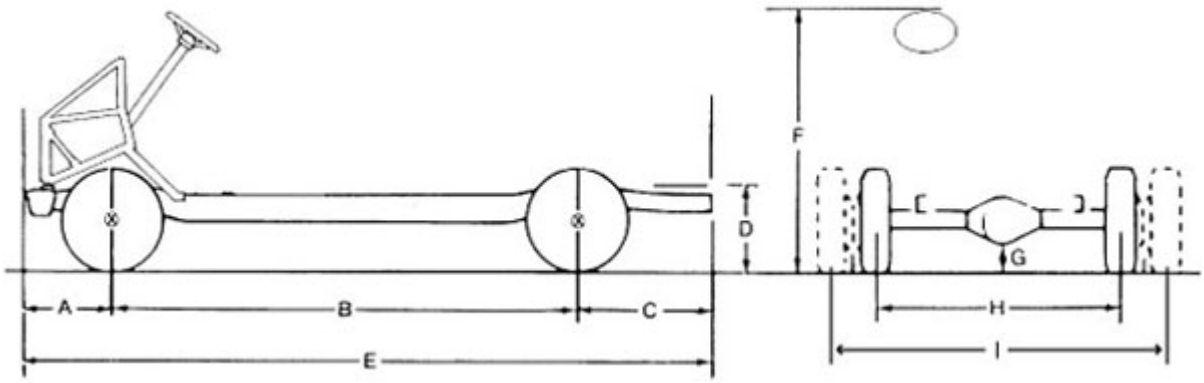
2022 E-Series > Specs > Dimensions/Weights/Capacities

Interior Dimensions — E-350/E-450 Cutaway

Series	E-350			E-450	
Model	Cutaway			Cutaway	
	SRW/DRW	SRW/DRW	DRW	DRW	DRW
Description					
Head Room (in.)	42.0	42.0	42.0	42.0	42.0
Max. Leg Room (in.)	42.1	42.1	42.1	42.1	42.1
Hip Room (in.)	65.6	65.6	65.6	65.6	65.6
Shoulder Room (in.)	68.1	68.1	68.1	68.1	68.1

2022 E-Series > Specs > Dimensions/Weights/Capacities

Body Dimensions — E-350/E-450 Stripped Chassis



Model		Stripped Chassis		
Series		E-350	E-350/E-450	E-350/E-450
		DRW	DRW	DRW
Code	Description			
A	Frame to Front Axle	26.2	26.2	26.2
B	Wheelbase	138.0	158.0	176.0
C	Rear Overhang	68.5	68.5	50.5
D	Load Height (Loaded)	26.2	26.2/26.0	26.2/26.0
E	Overall Length	232.7	252.7	252.7
F	Height at Top of Steering Wheel (Loaded)	71.9	71.9/71.7	71.8/71.7
G	Rear Axle Clearance, Loaded	7.0	7.0	7.0

H	Front Track	69.4	69.4	69.4
I	Rear Track (SRW)	—	—	—
I	Rear Track (DRW)	75.4	75.4/77.7	75.4/77.7

NOTE: Front jacking point — located under the front radius arm rearward of the sloped section (use flat space provided).

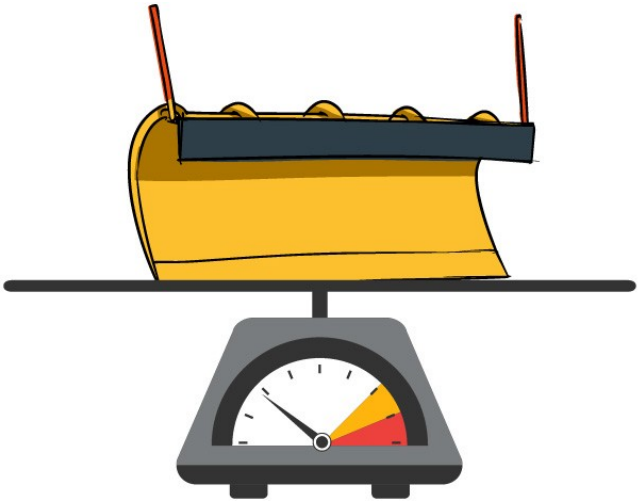
NOTE: Rear jacking point — located under rear axle between U-bolts.

Accessory Reserve Capacity (ARC) Calculation

This section provides the information needed to calculate the effect that vehicle options have on the payload capacity of Ford commercial vehicles.

This information is useful to customers who plan to add aftermarket accessories or haul cargo at or near the vehicle's maximum capacity.

This section includes charts for each series, listing the maximum allowable weights for each GVWR.



ACCESSORY RESERVE CAPACITY

You can help prospective buyers estimate the total weight of accessories, equipment and modifications that may be added to the completed vehicle.

Ford vehicles are certified for compliance with the following FMVSS (Federal Motor Vehicle Safety Standards) or CMVSS (Canadian Motor Vehicle Safety Standards):(1)

- 204 — Steering Column Rearward Displacement
- 208 — Occupant Crash Protection
- 212 — Windshield Mounting
- 219 — Windshield Zone Intrusion
- 301 — Fuel System Integrity
- 303 — CNG Fuel System Integrity (Canadian Standard 301.2)

The total added accessory weight must not exceed the allowable weight shown in the tables. You should make retail customers who intend to modify or install accessories or equipment aware of this fact.

If the modification or installation of accessories or equipment causes the unloaded weight of the vehicle, as revised with the added equipment, to exceed the test vehicle weight, the U.S. vehicle alterer(2) may be responsible to certify the altered vehicle according to Title 49, Code of Federal Regulations 567.7 and 568.8. A Canadian vehicle alterer may be responsible to certify the altered vehicle according to Section 6 of the Canadian Motor Vehicle Safety Regulations.

In this section, each vehicle has a worksheet that addresses Total Accessory Reserve Capacity only. It does not consider Front Axle Accessory Reserve Capacity and does not include DSO option weights in the calculations.

To approximate the amount of accessory equipment or modification weight that can be added to a Ford light truck without exceeding the test vehicle weight, calculate an estimated Total Accessory Reserve Capacity as follows:

1. Determine the "Total Actual Regular Production Option Content Weight" of the desired regular production options from the corresponding Accessory Reserve Capacity Calculation/Worksheet on the following page.
2. Subtract the "Total Actual Regular Production Option Content Weight" from the "Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)" for the appropriate model. The difference is the estimated "Total Accessory Reserve Capacity."

	Maximum Allowable Weight (Regular Production Options & Aftermarket Equipment)
–	Total Actual Regular Production Option Content Weight
=	Total Accessory Reserve Capacity

Warning: The Accessory Reserve Capacity weight information addresses FMVSS and CMVSS Nos. 204, 208, 212, 219, 301 and 303 compliance only. For all light-duty trucks with a GVW rating under 8,500 lbs., federally certified trucks with a GVW rating of 8,500 to 10,000 lbs. that are optionally emissions certified to light-duty standards and all California complete vehicles with a GVW rating of 14,000 lbs. or less, if more than 500 lbs. is added to the vehicle's "maximum vehicle weight,"(3) the modifier may be responsible for recertification to the applicable EPA or CARB emissions standards.

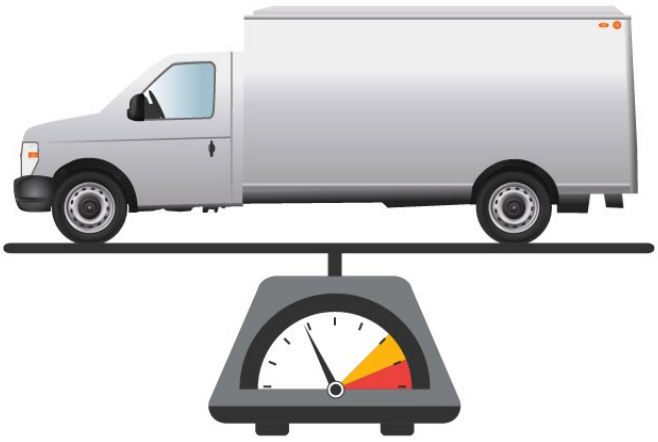
(1) Ford Motor Company's certification of compliance with FMVSS/CMVSS is based on specific vehicle test weights. These standards are applicable to completed vehicles of 10,000-lb. GVWR or less. Maximum allowable weights shown in the tables for vehicles above 10,000-lb. GVWR are maximum recommended values for optimum performance, durability and customer satisfaction.

(2) The same procedure to estimate the "Total Accessory Reserve Capacity" is recommended to completed vehicle alterers in Canada.

(3) **Important:** "Maximum vehicle weight" is calculated in accordance with the definition provided in an EPA guidance letter dated July 13, 1979, from C.N. Freed of the EPA to M.H. McBride, legal counsel of the Recreation Vehicle Industry Association. The preceding conditions are based on that letter and on EPA Advisory Circular No. 64 — a March 7, 1977, publication that provides guidance on the need for separate certification of vehicles modified after original manufacture, but prior to sale and delivery to the ultimate purchaser. Additional guidance or questions concerning EPA's policies with respect to alterers of completed vehicles should be directed to legal counsel or the Environmental Protection Agency.

Base Curb Weight

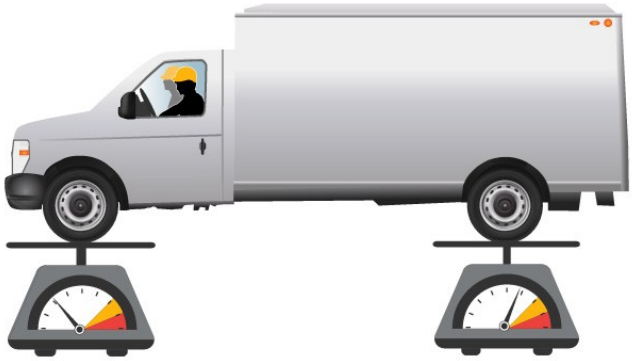
- The weight of the vehicle including standard equipment, oil, lubricants and a full tank of fuel. It does not include the weight of driver, passengers, cargo or any optional or aftermarket equipment
- **Base curb weights for each engine/standard equipment transmission combination are listed in the Weight Ratings pages of each vehicle section (see Maximum Payload Weight Ratings for reference)**
- Actual Regular Production Option Content Weights can be found in the charts under Actual Regular Production Option Content Weights



2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Gross Axle Weight

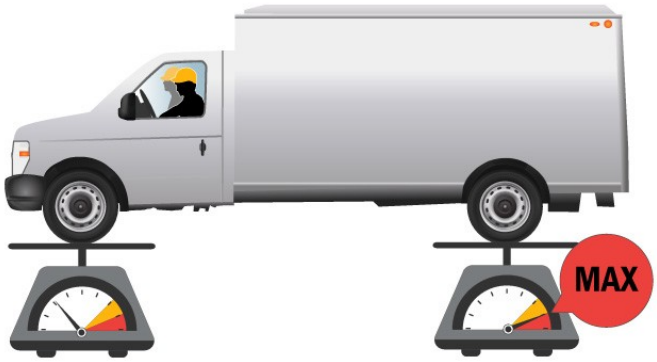
The total weight placed on each axle of the vehicle (front and rear).



2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Gross Axle Weight Rating (GAWR)

The maximum allowable weight to be placed on an individual axle (front or rear). Gross Axle Weight Ratings are provided for both front and rear axles.



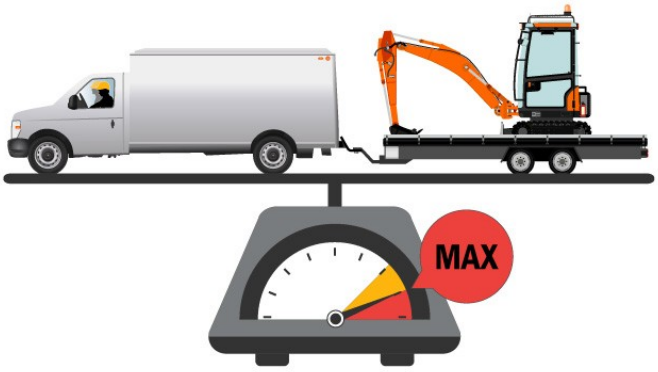
Gross Combination Weight (GCW)

Gross vehicle weight plus the trailer weight.

Gross Combination Weight Rating (GCWR)

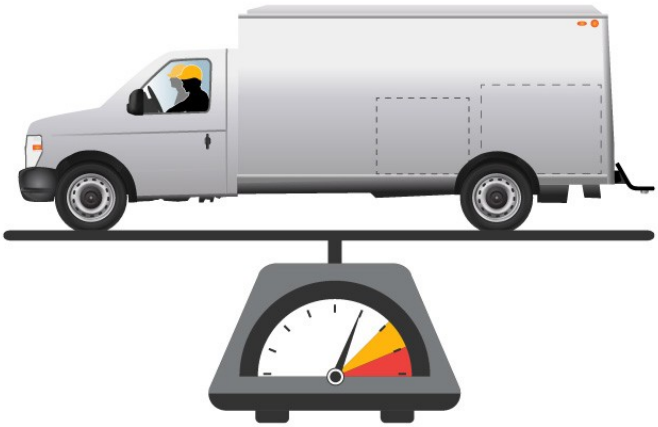
The maximum allowable weight of the towing vehicle, the trailer and all associated passengers, cargo and equipment.

The point to remember is that the actual weights should never exceed the listed weight ratings. And remind your customers that if they do exceed the recommended weight ratings, they could disqualify their warranty coverage.



Gross Vehicle Weight (GVW)

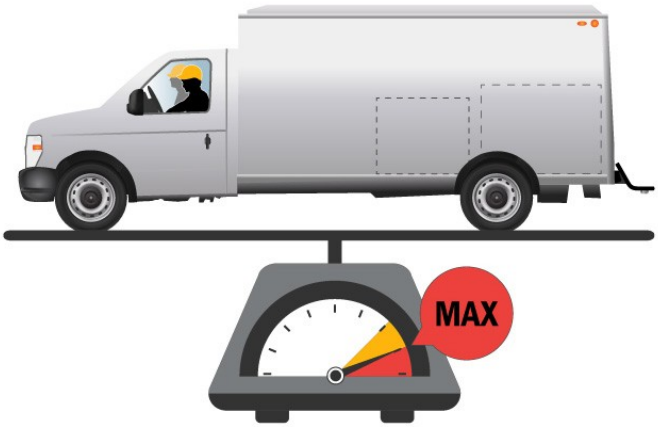
The weight of the vehicle including driver, passengers, optional and aftermarket equipment, and all cargo.



2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Gross Vehicle Weight Rating (GVWR)

The maximum allowable weight of the fully loaded vehicle (including passengers and cargo).



2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Maximum Payload Weight Rating

This is the advertised payload rating. It is the maximum allowable payload for the truck, including driver, passengers, optional and aftermarket equipment, and cargo. The weight of the engine and its standard transmission is already factored into the Maximum Payload Weight Rating. If the engine is also available with an optional transmission, that engine/transmission weight can be found in the Actual Regular Production Option Content Weight charts.

Vehicle Payload Calculation	Front/Total (lbs.)
Maximum Payload Weight Rating(1)	____ /____
Less Total Actual Regular Production Option Content Weight (from Line A, Payload/GVWR Worksheet)	____ /____
Equals Net Total Vehicle Payload (Front and rear axles and spring capacities will be sufficient to carry this payload uniformly distributed in vehicle cargo area)	____ /____

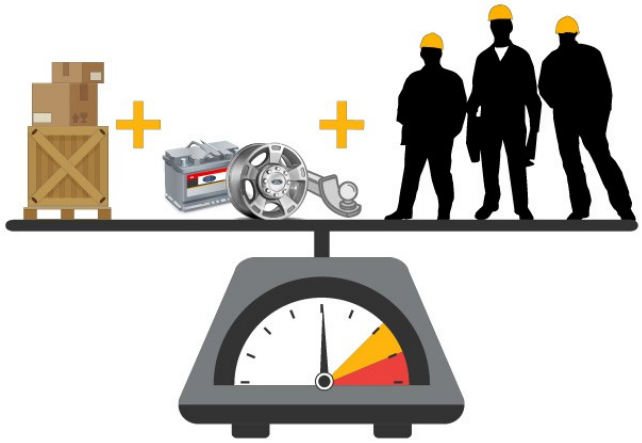
(1) Weight for driver and passengers must be deducted. Refer to the individual vehicle weight rating pages for maximum payload weight ratings. Refer to Regular Production Option Content Weight.

NOTE: Front springs are computer selected to meet specific option requirements for each vehicle; HD front springs are standard if vehicle option weights require.

2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Maximum Payload Weight Ratings

The Payload Weight Ratings and the Max. Option Weight/Max. Total Accessory Reserve Capacity (ARC) Weight Charts[1] are published and can be found in the weight ratings pages of the individual vehicle sections. This information is grouped together with other model, engine/transmission and maximum gross vehicle weight rating (GVWR) data for ease of use.

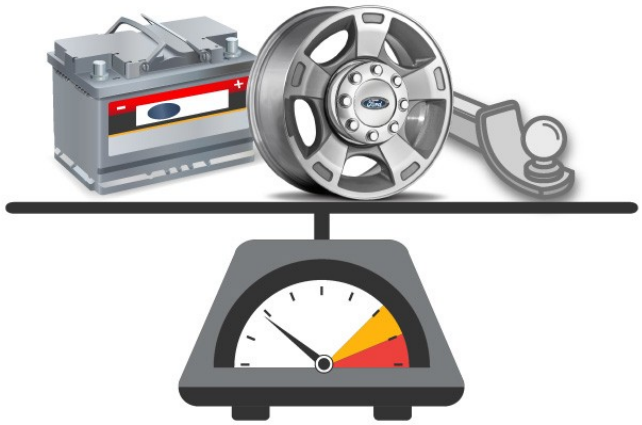


(1) OPT/ARC Weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment. Accessory Reserve Capacity (ARC) for models with standard equipment and the engine/transmission combination indicated.

2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Option Weights

The weight of any added equipment that is not included in the base curb weight.



2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

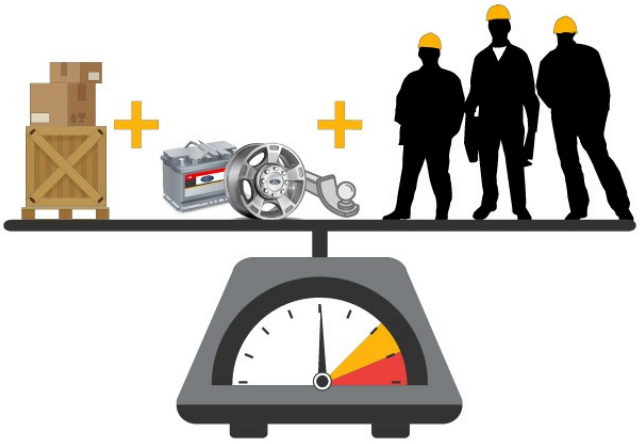
Passenger Weight

Defined as 150 lbs. multiplied by the number of safety-belted seating positions, including the driver, that the vehicle can carry.

2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Payload

- Maximum payload is defined as the weight of all passengers, optional and aftermarket equipment, and cargo
- Net payload is defined as the weight that can be placed in the truck after subtracting for driver, passengers, and optional and aftermarket equipment



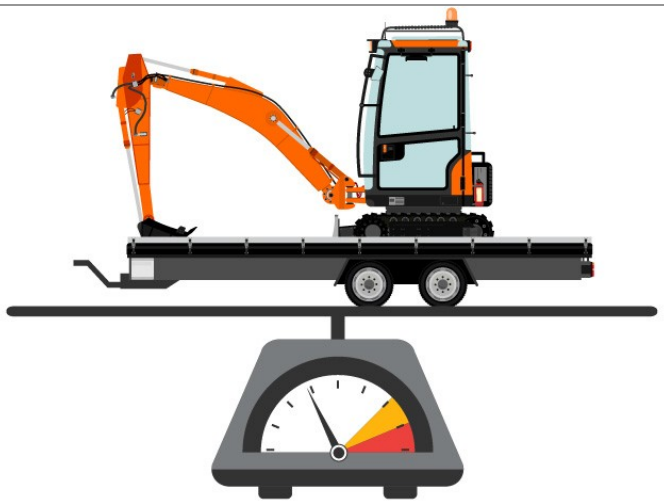
2022 E-Series > **Specs** > Dimensions/Weights/Capacities > General Truck Payload Information

Tongue Weight

The amount of the trailer's weight that bears down on the trailer hitch (10 to 15 percent of the total loaded conventional trailer weight or 15 to 25 percent of the total loaded 5th-wheel trailer weight).

Trailer Weight

The weight of a fully loaded trailer, including all attachments, lights, etc.



Truck “Nominal Tonnage”

“Nominal Tonnage” is a term that Ford and other manufacturers have historically used to **generally categorize** the load capacity of a vehicle series; it is not a term defined by federal or state law.

Our COV (Certificate of Origin for a Vehicle) includes each particular vehicle’s shipping weight as well as the vehicle’s gross vehicle weight rating or GVWR (from which one can determine the particular vehicle’s rated carrying capacity, including driver, passengers, fluids, body upfit [if applicable] and aftermarket accessories). The COV also includes the vehicle’s “Nominal Tonnage.”

“Nominal Tonnage” provides the **general** usable cargo capability that most (but not all) of the vehicles with the designated nominal tonnage can expect to handle. That is, nominal tonnage states the general load capacity for each vehicle series, although particular vehicles may have a higher (or in some circumstances, lower) load capacity based on the specifications of the particular vehicle.

Relevant Vehicle Series/Nominal Tonnage Relationship Categories

Nominal Tonnage	Vehicle
½	Ranger, F-150, Transit Connect, Transit Passenger Van
¾	E-350 Cutaway/Stripped Chassis, Transit-150 Cargo Van/Crew Van/Passenger Van, Transit-250 Cargo Van/Crew Van, Transit-350 Cargo Van/Crew Van/Passenger Van (GVWR 9,499 lbs.), Transit-250 Cutaway/Chassis Cab, F-250 Pickup
1	E-450 Cutaway/Stripped Chassis, Transit-350 Cargo Van/Crew Van/Passenger Van (GVWR 9,500 lbs.), Transit-350 Cutaway/Chassis Cab, F-350 Pickup, F-350 Chassis Cab
1½	F-450 Pickup, F-450 Chassis Cab
2	F-550 Chassis Cab

Vehicle Class Ratings by GVWR

Weight Class	GVWR Range (lbs.)	Vehicle/Model
1	Up to 6,000	Transit Connect Cargo Van (5,110–5,302 lbs.) Transit Connect Passenger Wagon (5,302–5,420 lbs.)
2	6,001 to 10,000	Ranger (6,050 lbs.) Transit-150 Cargo Van/Passenger Van (8,670/8,550 lbs.) Transit-250 Cargo Van/Crew Van (9,070 lbs.) Transit-350 Cargo Van/Crew Van (9,250–9,950 lbs.) Transit-350 Passenger Van (9,250–9,550 lbs.) Transit-250 Cutaway/Chassis Cabs (9,070 lbs.) Transit-350 Cutaway/Chassis Cabs (9,500 and 9,950 lbs.) E-Transit T350 Cargo Van, Chassis Cab and Cutaway (9,500 lbs.) F-150 (6,070–7,850 lbs.) F-250 Pickup (9,900–10,000 lbs.) F-350 Pickup (10,000 lbs.) F-350 Chassis Cab SRW (9,800–10,000 lbs.)
3	10,001 to 14,000	E-350 Cutaway (10,050–12,500 lbs.) E-350 Stripped Chassis (11,500–12,500 lbs.) Transit-350 Cargo Van/Crew Van/Passenger Van (10,360 lbs.; 11,000 lbs. [Cargo Van only]) Transit-350 Cutaway/Chassis Cab (10,360 and 11,000 lbs.) F-250 Pickup (10,400–10,800 lbs.) F-350 SRW Pickup (10,100–12,400 lbs.) F-350 DRW Pickup (13,000(1)–14,000 lbs.) F-350 Chassis Cab SRW (10,500–11,500 lbs.) F-350 DRW Chassis Cab (14,000 lbs.) E-450 Cutaway (14,000 lbs.) E-450 Stripped Chassis (14,000 lbs.) F-450 Pickup (14,000 lbs.)
4	14,001 to 16,000	E-450 Cutaway (14,200–14,500 lbs.) E-450 Stripped Chassis (14,200–14,500 lbs.) F-450 Chassis (15,000–16,000 lbs.) F59 Commercial Stripped Chassis (16,000 lbs.) F53 Motorhome Chassis (16,000 lbs.)
5	16,001 to 19,500	F-450 Chassis Cab (16,500 lbs.) F-550 (17,500–19,500 lbs.) F59 Commercial Stripped Chassis (19,500 lbs.) F53 Motorhome Chassis (18,000 lbs.)
6	19,501 to 26,000	F-600 (22,000) F-650 Gasoline (22,000–26,000 lbs.)/Diesel (22,000–26,000 lbs.) F59 Commercial Stripped Chassis (22,000 lbs.) F53 Motorhome Chassis (20,500–26,000 lbs.)
7	26,001 to 33,000	F-650 (27,500–29,000 lbs. Gas and Diesel) F-750 (31,000–33,000 lbs. Gas and Diesel)
8	33,001 plus	F-750 (34,200–37,000 lbs. Diesel)

(1) 13,000 lbs. Pickup Box Delete only.

Weight Distribution

That portion of a vehicle's total weight that will be supported by each axle and each tire. Proper distribution of vehicle weight is critical to braking, handling and to the service life of components such as axles, springs, bearings and tires.

2022 E-Series > **Specs** > Dimensions/Weights/Capacities

GVWR/Payload/Spring & GAWR/Base Curb Weight

Model	WB (in.)	Engine/Trans.	Maximum GVWR (lbs.)	Maximum Payload (lbs.)	Spring/GAWR (lbs.)[1]		Base Curb Weight (lbs.)		
					Front Range Min.-Max.	Rear	Front	Rear	Total
E-350 Cutaway	138 SRW	7.3L PFI Gas V8 Premium/6R140	10,050	5,100	4,200	6,084	2,958	1,992	4,950
		7.3L PFI Gas V8 Economy/6R140	10,050	5,100	4,050-4,200	6,084	2,958	1,992	4,950
	138 DRW	7.3L PFI Gas V8 Premium/6R140	11,500	6,270	4,050-4,600	7,800	3,001	2,224	5,225
		7.3L PFI Gas V8 Economy/6R140	11,500	6,270	4,050-4,600	7,800	3,001	2,224	5,225
	158 SRW	7.3L PFI Gas V8 Premium/6R140	10,050	5,030	4,200	6,084	3,039	1,973	5,012
		7.3L PFI Gas V8 Economy/6R140	10,050	5,030	4,200	6,084	3,039	1,973	5,012
E-350 Cutaway	158 DRW	7.3L PFI Gas V8 Premium/6R140	11,500	6,210	4,200-4,600	7,800	3,082	2,205	5,287
		7.3L PFI Gas V8 Economy/6R140	11,500	6,210	4,050-4,600	7,800	3,082	2,205	5,287
		7.3L PFI Gas V8 Premium/6R140	12,500	7,210	4,200-5,000	8,500	3,082	2,205	5,287
		7.3L PFI Gas V8 Economy/6R140	12,500	7,210	4,050-5,000	8,500	3,082	2,205	5,287
	176 DRW	7.3L PFI Gas V8 Premium/6R140	12,500	7,200	4,200-5,000	8,500	3,148	2,149	5,297
		7.3L PFI Gas V8 Economy/6R140	12,500	7,200	4,200-5,000	8,500	3,148	2,149	5,297
E-350 Stripped Chassis	138 DRW	7.3L PFI Gas V8 Premium/6R140	11,500	6,870	4,400-4,600	7,800	2,421	2,204	4,625
		7.3L PFI Gas V8 Economy/6R140	11,500	6,870	4,200-4,600	7,800	2,421	2,204	4,625
	158	7.3L PFI Gas V8	12,500	7,820	4,600-5,000	8,500	2,480	2,198	4,678

	DRW	Premium/6R140							
		7.3L PFI Gas V8 Economy/6R140	12,500	7,820	4,600-5,000	8,500	2,480	2,198	4,678
	176 DRW	7.3L PFI Gas V8 Premium/6R140	12,500	7,760	4,600-5,000	8,500	2,535	2,197	4,732
		7.3L PFI Gas V8 Economy/6R140	12,500	7,760	4,600-5,000	8,500	2,535	2,197	4,732
E-450 Cutaway	158 DRW	7.3L PFI Gas V8 Premium/6R140	14,200	8,680	4,600	9,600	3,078	2,434	5,512
		7.3L PFI Gas V8 Premium/6R140	14,500	8,980	5,000	9,600	3,078	2,434	5,512
		7.3L PFI Gas V8 Economy/6R140	14,000	8,480	4,400-5,000	9,600	3,078	2,434	5,512
	176 DRW	7.3L PFI Gas V8 Premium/6R140	14,200	8,680	4,600	9,600	3,161	2,358	5,519
		7.3L PFI Gas V8 Premium/6R140	14,500	8,980	5,000	9,600	3,161	2,358	5,519
		7.3L PFI Gas V8 Economy/6R140	14,000	8,480	4,400-5,000	9,600	3,161	2,358	5,519
E-450 Stripped Chassis	158 DRW	7.3L PFI Gas V8 Premium/6R140	14,500	9,690	5,000	9,600	2,531	2,274	4,805
		7.3L PFI Gas V8 Economy/6R140	14,000	9,190	4,600-5,000	9,600	2,531	2,274	4,805
	176 DRW	7.3L PFI Gas V8 Premium/6R140	14,500	9,640	5,000	9,600	2,566	2,292	4,858
		7.3L PFI Gas V8 Economy/6R140	14,000	9,140	4,600-5,000	9,600	2,566	2,292	4,858

(1) Gross Axle Weight Rating is determined by the rated capacity of the minimum component of the axle system (axle, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR or GAWR (front or rear).

Cutaway — Actual Regular Production Option Content Weight

Option Weight	(Front/Total) (lbs.)
REAR DIFFERENTIAL:	
Limited-slip rear axle (E-350 SRW)	(0/7)
Limited-slip rear axle (E-350/E-450 DRW)	(0/4)
TIRES (Add tire weight even if specified as standard equipment):	
LT225/75R16E (DRW)	(0/0)
LT245/75R16E (SRW)	(0/0)
TIRE EQUIPMENT:	
Spare Tire (LT225/75R16E)	(-5/37)
Spare Tire (LT245/75R16E)	(-6/43)
Spare Wheel	(-5/35)
PACKAGES:	
Auxiliary Heater Prep Package	(5/9)

Heater & A/C Prep Package	(18/21)
Heater & A/C Prep Package w/Rear Controls	(17/22)
Insulation Package	(1/1)
Power Windows/Locks Group	(9/13)
Seat Prep Package — Driver Only	(-27/-44)
Seat Prep Package — Driver and Passenger	(-57/-95)
Trailer Tow (Class I)	(1/2)
Upgraded Trailer Tow (Class I)	(1/2)
OPTIONS:	
A/C – delete	(-51/-49)
Airbag, passenger delete	(-9/-11)
Airbag, passenger cutoff switch	(1/1)
Alternator, extra-heavy-duty	(3/3)
Backup alarm, electric (102 dBA)	(TBA/TBA)
Battery, heavy-duty/auxiliary	(29/67)
Bumper, chrome front	(5/4)
Captain's chairs, without trim	(-3/-5)
Carpeting — front	(5/8)
Console, engine cover delete	(-9/-11)
Cruise control	(2/2)
Daytime running lamps, non-configurable	(TBA/TBA)
Door delete, RH (138" WB)	(-58/-82)
Door delete, RH (158" WB)	(-61/-82)
Door delete, RH (176" WB)	(-63/-82)
Flex-Fuel Capability	(TBA/TBA)
Floor covering delete	(-6/-9)
Frame pucks	(3/6)
Fuel tank, 40-gallon	(18/-107)
Fuel tank, 55-gallon	(-18/107)
Headlamps, halogen aerodynamic	(4/3)
Headliner delete	(-2/-4)
Heater, engine block	(1/1)
Jack, 2-ton mechanical (SRW)	(-1/6)
Jack, 4-ton hydraulic (DRW)	(-2/13)
License plate bracket, front	(1/1)
Mirror, exterior delete	(0/0)
Mirror, interior day/night	(1/1)
Mirrors, trailer tow — manual	(16/20)
Mirrors, trailer tow — power	(17/21)
Radio Prep Package with 2 speakers (late availability)	(TBA/TBA)
Radio Prep Package with 4 speakers (late availability)	(TBA/TBA)

Radio, delete	(-3/-4)
Rear View Camera kit	(1/1)
Rear View Video Camera kit (late availability)	(TBA/TBA)
Remote Keyless Entry System	(1/1)
Running boards	(13/27)
Seat, power driver's	(6/10)
Seat delete, passenger	(-47/-77)
Spacers, alternate pattern frame (138" WB)	(-2/165)
Spacers, alternate pattern frame (158" WB)	(25/165)
Spacers, alternate pattern frame (176" WB)	(42/165)
Spacers, standard pattern frame, not included (138" WB)	(8/129)
Spacers, standard pattern frame, not included (158" WB)	(8/129)
Spacers, standard pattern frame, not included (176" WB)	(44/147)
Speakers, 4	(3/4)
Sun visor delete	(-1/-2)
Trailer brake controller	(2/2)
Upfitter switch pack	(2/2)
Wheels, 16" x 7" forged aluminum	(-26/-52)
Wheels, aluminum hubcaps	(2/4)
Wheels, sport wheel covers	(2/4)
Line A) Total Actual Option Content Weight: (Front/Total)	____/____

Stripped Chassis — Actual Regular Production Option Content Weight

Option Weight	(Front/Total) (lbs.)
REAR DIFFERENTIAL:	
Limited-slip rear axle (E-350/E-450 DRW)	(0/4)
TIRE EQUIPMENT:	
Spare tire (LT225/75R16E)	(-5/37)
Spare tire (LT245/75R16E)	(-6/43)
Spare wheel	(-5/35)
PACKAGES:	
A/C Prep	(24/25)
OPTIONS:	
Alternator, extra-heavy-duty	(3/3)
Daytime running lamps, non-configurable	(TBA/TBA)
Fuel tank, 40-gallon	(18/-107)
Fuel tank, 55-gallon	(18/-107)
Heater, engine block	(1/1)

Jack, 2-ton mechanical (SRW)	(-1/6)
Jack, 4-ton hydraulic (DRW)	(-2/13)
Upfitter switch pack	(2/2)
Wheels, sport wheel covers	(2/4)
Line A) Total Actual Option Content Weight: (Front/Total)	____/____

E-350 Cutaway Standard Equipment

REAR WHEELS:	SRW	DRW	SRW	DRW	DRW
WHEELBASE (in.):	138	138	158	158	176

POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI gas V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	5,000 lbs.	
Rear Axle	Type	Full-floating, Dana 10.5"	
	Capacity (Rating @ Ground)	7,800 lbs.	8,500 lbs.
BRAKES:			
Front Disc	Type	Dual piston caliper (2.36" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Rear Disc	Type	Dual piston caliper (1.89" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Power-Assist Unit	Type	Vacuum-boost (SRW)/Hydro-Boost (DRW)	
	Boost Ratio	13.46"	7.5:1 (SRW), 6.76:1 (DRW)
Anti-Lock System	Type	Dual diaphragm (SRW), Hydro-Boost (DRW)	
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage	
ELECTRICAL:			
Alternator	Rating	210 amperes, 2,835 watts(1)	
Battery	Type	Maintenance-free	
	Rating	78-AH	
Kit		Modified vehicle wiring	
FUEL TANK:	Capacity(2)	40-gallon aft-of-rear-axle	
JACK:	Capacity	2.0-ton (SRW), 4.0-ton (DRW)	
STEERING:	Type	Gear assembly power steering	

	Ratio	17.0:1				
SUSPENSION:						
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel (includes 2 lateral spacers, 4 longitudinal spacers and 12 body mounts with 138", 158" WB. or, 4 lateral spacers, 2 longitudinal spacers and 12 body mounts with 176" WB.)				
	Section Modulus	5.73 cu. in.				
Springs, Front	Type	Coil, computer-selected				
	Rating @ Ground (min.)	3,199 lbs.	3,100 lbs.		3,100 lbs.	
Springs, Rear	Type	Multi-leaf, single-stage				
	Rating @ Ground (min.)	7,310 lbs.	8,500 lbs.			
Shock Absorbers	Gas-type	35 mm				
Stabilizer Bar	Front/Rear—Diameter	Front — 25.4 mm (SRW)/23 mm (DRW); rear — 28.6 mm (DRW)				
TIRES:	Type	Four, truck-type steel-belted radial, all-season (six with DRW)				
	Size	LT245/75Rx16E	LT225/75Rx16E			
WHEELS:	Type & Size	Four, 8-hole disc, 16" x 7.0" K steel (six, 16" x 6.0" K with DRW)				

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

E-350 Stripped Chassis Standard Equipment

REAR WHEELS:		**DRW**	**DRW**	**DRW**	**DRW**	**DRW**
WHEELBASE (in.):		**138**	**158**	**176**	**158**	**176**
POWERTRAIN:						
Engine	Application	Refer to order guide				
	Type	7.3L PFI gas V8 premium-rated				
Transmission	Type	6-speed TorqShift auto				
AXLES:						
Front Axle	Type	Twin I-beam IFS				
	Capacity (Rating @ Ground)	5,000 lbs.				
Rear Axle	Type	Full-floating, Dana 10.5"				
	Capacity (Rating @ Ground)	6,340 lbs.	8,500 lbs.	7,800 lbs.		
BRAKES:						
Front Disc	Type	Dual piston caliper (2.36" diameter piston)				
	Size (in.)	13.58 diameter rotor				
Rear Disc	Type	Dual piston caliper (1.89" diameter piston)				
	Size (in.)	13.58 diameter rotor				
Power-Assist Unit	Boost Ratio	Hydro-Boost 6.76:1 (DRW)				

	Effective Diameter	13.46"			
Anti-Lock System		4-wheel			
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage			
ELECTRICAL:					
Alternator	Rating	210 amperes, 2,835 watts(1)			
Battery	Type	Maintenance-free			
	Rating	78-AH			
Kit		Modified vehicle wiring			
FUEL TANK:	Capacity	40-gallon aft-of-rear-axle			
STEERING:	Type	Gear assembly power steering			
	Ratio	17.0:1			
SUSPENSION:					
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel			
	Section Modulus	5.73 cu. in.			
Springs, Front	Type	Coil, computer-selected			
	Rating @ Ground (min.)	3,100 lbs.	3,550 lbs.	3,800 lbs.	4,050 lbs.
Springs, Rear	Type	Multi-leaf, single-stage			
	Rating @ Ground (min.)	8,500 lbs. (DRW)			
Shock Absorbers	Gas-type	35 mm			
Stabilizer Bar	Front — Diameter	23 mm (DRW)			
	Rear — Diameter	28.6 mm (DRW)			
TIRES:	Type	Truck-type steel-belted radial, all-season			
	Size	Six, LT225/75Rx16E(2)			
	Spare tire carrier	None			
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel(2)			

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

2022 E-Series > Specs > Standard Equipment

E-450 Cutaway Standard Equipment

REAR WHEELS:		**DRW**	**DRW**
WHEELBASE (in.):		**158**	**176**
POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI gas V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	

	Capacity (Rating @ Ground)	4,600 lbs.
Rear Axle	Type	Full-floating, Dana 10.75" HD
	Capacity (Rating @ Ground)	9,600 lbs.
BRAKES:		
Front Disc	Type	Dual piston caliper (2.36" diameter piston)
	Size (in.)	13.58 diameter rotor
Rear Disc	Type	Dual piston caliper (2.12" diameter piston)
	Size (in.)	13.58 diameter rotor
Power-Assist Unit	Boost Ratio	Hydro-Boost, 6.76:1
Anti-Lock System		4-wheel
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage
ELECTRICAL:		
Alternator	Rating	210 amperes, 2,835 watts(1)
Battery	Type	Maintenance-free
	Rating	78-AH
Kit		Modified vehicle wiring
FUEL TANK:	Capacity(2)	55-gallon, aft-of-rear-axle
STEERING:	Type	Gear assembly power steering
	Ratio	17.0:1
SUSPENSION:		
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel
	Section Modulus	6.40 cu. in.
Springs, Front	Type	Coil
	Rating @ Ground (min.)	4,600 lbs.
Springs, Rear	Type	Multi-leaf, single-stage
	Rating @ Ground (min.)	9,600 lbs.
Shock Absorbers	Gas-type	35 mm
Stabilizer Bar	Front — Diameter	23 mm
	Rear — Diameter (DRW only)	28.6 mm
TIRES:	Type	Six truck-type steel-belted radial, all-season
	Size	LT225/75Rx16E
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application-dependent.

(2) Also includes 7.5-gallon plastic transit fuel tank (may be deleted), Auxiliary Fuel Port and Fuel System Conversion Kit.

E-450 Stripped Chassis Standard Equipment

REAR WHEELS:	DRW	DRW
WHEELBASE (in.):	158	176

POWERTRAIN:			
Engine	Application	Refer to order guide	
	Type	7.3L PFI gas V8 premium-rated	
Transmission	Type	6-speed TorqShift auto	
AXLES:			
Front Axle	Type	Twin I-beam IFS	
	Capacity (Rating @ Ground)	5,000 lbs.	
Rear Axle	Type	Full-floating, Dana 10.75" HD	
	Capacity (Rating @ Ground)	9,600 lbs.	
BRAKES:			
Front Disc	Type	Dual piston caliper (2.36" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Rear Disc	Type	Dual piston caliper (2.12" diameter piston)	
	Size (in.)	13.58 diameter rotor	
Power-Assist Unit	Type	Hydro-Boost	
	Boost Ratio	6.76:1	
Anti-Lock System		4-wheel	
Parking Brake	Rear brake drum-in-hat	Foot-operated, push to apply/pull release lever to disengage	
ELECTRICAL:			
Alternator	Rating	210 amperes, 2,835 watts(1)	
Battery	Type	Maintenance-free	
	Rating	78-AH	
Kit		Modified vehicle wiring	
FUEL TANK:	Capacity	55-gallon	
STEERING:	Type	Gear assembly power steering	
	Ratio	17.0:1	
SUSPENSION:			
Frame	Type	Single-channel, 6 crossmembers, 36,000-psi steel	
	Section Modulus	5.730 cu. in.	
Springs, Front	Type	Coil, computer-selected	
	Rating @ Ground (min.)	5,000 lbs.	
Springs, Rear	Type	Multi-leaf, single-stage	
	Rating @ Ground (min.)	9,600 lbs.	
Shock Absorbers	Gas-type	35 mm	
Stabilizer Bar	Front — Diameter	Front — 23 mm	Rear — 28.6 mm
TIRES:	Type	Truck-type steel-belted radial, all-season	
	Size	Six, LT225/75Rx16E	
	Spare tire carrier	None	
WHEELS:	Type & Size	Six, 8-hole disc, 16" x 6.0" K steel(2)	

(1) Rated current (@ 6,000 rpm) per ISO 8854: 1988 (E) and SAE J56 JUN1999. Actual output is temperature- and application- dependent.

(2) Spare tire and wheel are shipped temporarily mounted to the top of the frame.

2022 E-Series > **Specs** > Powertrain

Auxiliary Automatic Transmission Oil Cooler Applications

Model/Series	Engine	Transmission	Standard No. of Plates	Air Conditioning No. of Plates	Trailer Towing No. of Plates
E-350/E-450	7.3L PFI Gas V8 Economy-rated; 7.3L PFI Gas V8 Premium-rated	TorqShift	20 — 1/2" Ports	20 — 1/2" Ports	24 — 1/2" Ports

2022 E-Series > **Specs** > Powertrain

Cooling System Specifications

Engine	Cooling	Trans. Usage	Frontal Area (sq. in.)	Core Size (in.)			Rows of Tubes	Fins per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications		
				Height	Width	Thick.				Type	No. of Blades	Blade Dia. (in.)
7.3L PFI Gas V8 Premium-rated	All	Auto	708	23.6	30.0	1.4	1	16.5	30.4	Plastic	8	20.0
7.3L PFI Gas V8 Economy-rated	All	Auto	837	27.5	30.43	1.02	1	12.1	21.0	Plastic	8	20.0

2022 E-Series > **Specs** > Powertrain

Engine

Driveline Layout	Front Engine, Rear Wheel (RWD)	
Engine Type	7.3L PFI Gas V8 Premium-Rated	7.3L PFI Gas V8 Economy-Rated
Displacement (liters/cu. in.)	7.3/445	7.3/445
Horsepower @ rpm	325 @ 3,750	300 @ 3,750
Torque (lb.-ft.) @ rpm	450 @ 3,750	425 @ 3,250
Compression Ratio	10.5:1	10.5:1
Valvetrain	SOHC	SOHC
Valve Operation	Push rod	Push rod
Bore & Stroke (in.)	4.21 x 3.98	4.21 x 3.98
Main Bearings	5	5
Induction	Naturally aspirated	Naturally aspirated
Fuel System	Sequential Multiport	Sequential Multiport
Fuel Requirement (octane)	87 (min.)	87 (min.)/E85

2022 E-Series > **Specs** > Powertrain

Fuel System Data

Electronic Fuel Injection	7.3L PFI Gas V8 Premium-rated	Sequential Multiport Fuel Injection
	7.3L PFI Gas V8 Economy-rated	Sequential Multiport Fuel Injection
Fuel Pump	7.3L PFI Gas V8 Premium-rated	Electric-in-Tank High Pressure
	7.3L PFI Gas V8 Economy-rated	Single Electric-in-Tank High Pressure (one per tank)
Fuel Filter	7.3L PFI Gas V8 Premium-rated	In-line Large Capacity (One)
	7.3L PFI Gas V8 Economy-rated	In-line Large Capacity (One)
Air Cleaner	7.3L PFI Gas V8 Premium-rated	Dry Element, Replaceable
	7.3L PFI Gas V8 Economy-rated	Dry Element, Replaceable

2022 E-Series > **Specs** > Powertrain

Transmission Specifications

Make/Type	Ford 6-Speed TorqShift Automatic
Engine	7.3L PFI Gas V8 Premium-rated (Std.) or 7.3L PFI Gas V8 Economy-rated (Opt.)
Ratios (to 1)	
1st	3.97
2nd	2.31
3rd	1.51
4th — OD	1.14
5th — OD	0.85
6th	0.67
Reverse	3.12
Converter Size & Type	305 mm, 3 Plate, 2 Stage
Converter Torque Ratio @ WOT Stall	1.9
Lubricant Capacity (pt.)	17.4
Gearset	Double Ravigneaux
Oil Cooler	Oil to Air and In-Tank

2022 E-Series > **Specs** > Chassis

Front Axle Specifications

Model/Series		E-350/E-450
Max. Rating @ Ground (lbs.)		5,000
Type		Twin-I-beam spindle with ball joints
Axle	Material	Nodular cast iron
	Spring Centers (in.)	47.0
Radius Arms	No.	2

	Material	High-strength low-alloy steel
Ball Joint		Lubed-for-life ball joints
Spindle	Material	Nodular cast iron body with forged steel stem
Wheel Bearings	Type	Tapered roller

2022 E-Series > Specs > Chassis

Rear Axle Specifications

Model/Series		E-350	E-450
Make		Dana 10.5"	Dana 10.75" HD
Rating @ Ground (lbs.)		7,800/8,500	9,600
Type		Full-floating	Full-floating
Driveline Attachment, Circular Flange		4.25"	4.75"
Housing	Type	Cast center	Cast center
	Cover Attachment	Bolted	Bolted
Section	Tube Diameter (in.)	3.50	4.00
	Thickness (in.)	0.39/0.56	0.625
Lubricant Capacity (pt.)		6.6	9.6
Spring Centers (in.)		48.92	48.92
Wheel Bearings	Type	Tapered roller, 2 opposed	
Gears	Type	Hypoid	Hypoid
	Material	Alloy steel	Alloy steel
Ring Gear	Pitch Diameter (in.)	10.50	10.75
	Mounting	Overhung	Overhung
Differential	Type	2-pinion(1)	2-pinion(1)
	L/S Type	Traction-Lok	Traction-Lok
Axle Shaft	Spline — Minor Dia. (in.)	1.268	1.268
	Spline — Major Dia. (in.)	1.375	1.375
	Number of Splines	32	35

(1) 4-pinion for limited-slip.

2022 E-Series > Specs > Chassis

Hydraulic Brake Equipment Specifications — Front/Rear

Type	Model/Series	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)/ Width (in.)/ Thickness (in.)	Caliper Piston Dia. (in.)	Gross Lining Area per Axle (sq. in.)	Total Swept Area per Axle (sq. in.)
		OD	ID					
Disc	All (Front)	13.58	8.70	Outboard	7.16/2.34/0.489	2.36	47.8	341.6
				Inboard	—			
	E-450 (Rear)	13.58	9.88	Outboard	5.96/1.74/0.51	2.12	43.65	272.70

				Inboard	—			
	E-350 (Rear)	13.58	9.88	Outboard	6.65/2.33/0.346	1.89	39.50	272.70
				Inboard	5.31/2.03/0.413			

2022 E-Series > Specs > Chassis

Brake Master Cylinder Specifications

Type	Model/Series	Bore Diameter (in.)
Dual System, Dash-mounted	E-350 SRW	1.3125
	E-350/E-450 DRW	1.375

2022 E-Series > Specs > Chassis

Power Brakes Vacuum Booster Specifications

Type	Model/Series	Ratio	Diaphragm Type
Bendix,® Dash-mounted	E-350 (SRW)	7.5:1	Dual

2022 E-Series > Specs > Chassis

Power Brakes Hydraulic Booster Specifications

Type	Model/Series	Ratio
Hydro-Boost	E-350 (DRW)/E-450	6.76:1

2022 E-Series > Specs > Chassis

Frame Specifications

Model/Series	Wheelbase (in.)	Maximum Side Rail Section (in.)	Section Modulus (cu. in.)	Yield Strength (psi)
E-350/E-450 Cutaway/Stripped Chassis	138, 158, 176	7.69 x 3.18 x 0.228	5.73	36,000
E-450 Cutaway	158, 176	7.69 x 3.18 x 0.248	6.40	36,000

2022 E-Series > Specs > Chassis

Shock Absorber Specifications

		Front & Rear		
Model/Series	Usage	Number	Piston Diameter (mm)	Type
E-350/E-450	Standard	4	35 mm	Gas-pressurized

2022 E-Series > **Specs** > Chassis

Spring Specifications — Front Coil

Model/Series	GVWR (lbs.)	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Wire Diameter (in.)	Deflection Rate @ Ground (lbs. per in. each)	Inside Diameter (in.)	Rating Each @ Pad (lbs. per spring)
E-350 Cutaway	10,050 (SRW), 11,500, 12,500	3,800	12.0	0. 72	328	4.0	2,165
		3,900	12.0	0. 73	341	4.0	2,224
		4,050	12.0	0. 74	354	4.0	2,318
		4,200	12.0	0. 74	354	4.0	2,414
		4,400	12.0	0. 76	366	4.0	2,542
		4,600	12.0	0. 78	366	4.0	2,670
		5,000	12.0	0. 79	418	4.0	2,900
E-350 Stripped Chassis	11,500, 12,500	3,800	12.0	0. 72	328	4.0	2,165
		3,900	12.0	0. 73	341	4.0	2,229
		4,050	12.0	0. 74	354	4.0	2,318
		4,200	12.0	0. 74	354	4.0	2,414
		4,400	12.0	0. 76	366	4.0	2,542
		4,600	12.0	0. 78	366	4.0	2,670
		5,000	12.0	0. 79	418	4.0	2,900
E-450 Cutaway/ Stripped Chassis	14,200	4,600	12.0	0. 78	366	4.0	2,670
	14,500	5,000	12.0	0. 79	418	4.0	2,900

2022 E-Series > **Specs** > Chassis

Spring Specifications — Rear Main Leaf

Model/Series	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rear (lbs. per in. per spring)(1)	Rating Each @ Pad (lbs. per spring)
E-350 Extended Cutaway	6,195	4	1.99	55.0	3.00	373.0/699.0	2,772
E-350 Cutaway/ Stripped Chassis SRW	7,310	9	3.59	55.0	3.00	924.7	3,296
E-350 Cutaway/ Stripped Chassis DRW	8,500	9	3.79	58.5	3.00	1,087	3,790
E-450 Cutaway/ Stripped Chassis	9,600	11	4.66	58.5	3.00	1,138	4,288

(1) Dual numbers indicate two-stage spring.

2022 E-Series > **Specs** > Chassis

Steering Specifications

Model/Series	Wheelbase (in.)	Power Steering(1)		Turning Diameter (ft.)(2)	
		Gear Ratio	Overall Ratio	Curb-to-Curb	Wall-to-Wall
E-350 SRW	138	17:1	21.2:1	48.6	50.0/50.0(3)
E-350 DRW	138	17:1	21.2:1	48.6	50.0/50.1(3)
E-350 SRW	158	17:1	21.2:1	54.9	56.2(3)
E-350 DRW/ E-450	158	17:1	21.2:1	54.8	56.2(3)
	176	17:1	21.2:1	60.3	61.8(3)

(1) 15 1/2" diameter steering wheel. Cutaway and Stripped Chassis models include HD steering gear.

(2) Average of left and right turns with standard tires.

(3) Cutaway only.

2022 E-Series > **Specs** > Chassis

Tire Specifications

Type/Size	Rim Width (in.)	Section Width (in.)	Ply Rating	Load Rating	Maximum Inflation Pressure (psi)	Load Limits @ Maximum Inflation Pressure (lbs.)	Static Loaded Radius (in.)	Revolutions per Mile @ 45 mph
LT225/75Rx16	6.0	9.60	10	E	80	2,680 SRW 2,470 DRW	14.60	709
LT245/75Rx16	7.0	10.20	10	E	80	3,042	14.10	677

2022 E-Series > **Specs** > Chassis

Wheel Specifications

Wheel Type	Wheel Size	Nominal Offset (mm)	No. of Studs	Bolt Circle (in.)	Max. Wheel Capacity Load (lbs. @ ground)
Steel	16" x 7.0" K	0.25	8	6.5	2,300 Front 3,045 Rear
	16" x 6.0" K (Dual)	5.15	8	6.5	2,500 Front 2,500 Rear
Aluminum	16" x 7.0" J	0.25	8	6.5	3,045

2022 E-Series > **Specs** > Special Applications

Trailer Towing Information

For additional towing information, refer to the RV & Trailer Towing Guide, available as a printable PDF on **eSourceBook**, or the vehicle owner's manual.

2022 E-Series > Specs > Special Applications

Snow Plow Applications

Not recommended for Snow Plow Applications.

2022 E-Series > Specs > Electrical

Alternator Specifications

Output (ampere)[1]	210	240	240/157
Output (watts)	2,835	3,240	5,360

(1) Actual output is temperature- and application-dependent.

2022 E-Series > Specs > Electrical > Alternator Performance Curves

210-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI Gas V8 Premium-rated; 7.3L PFI Gas V8 Economy-rated	3.03:1	E-Series Cutaway and Stripped Chassis

2022 E-Series > Specs > Electrical > Alternator Performance Curves

240-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI Gas V8 Premium-rated; 7.3L PFI Gas V8 Economy-rated	3.03:1	E-Series Cutaway and Stripped Chassis (optional)

2022 E-Series > Specs > Electrical > Alternator Performance Curves

240-/157-Ampere Alternator

Engine	Pulley Ratio	Model Application
7.3L PFI Gas V8 Premium-rated; 7.3L PFI Gas V8 Economy-rated	3.03:1/2.80:1	E-Series Cutaway and Stripped Chassis (optional)

2022 E-Series > Specs > Electrical

Battery Applications

Ampere-Hour Rating	78	Dual 78
Cold-Cranking Amps at 0°F	750	1,500
E-Series		
7.3L PFI Gas V8 Premium-rated	Std.	Opt.
7.3L PFI Gas V8 Economy-rated	Std.	Opt.

2022 E-Series > Specs > Electrical

Cold Weather Recommendations

Minimum Temperature	Equipment	
	Dual 78 amp-hr Batteries (opt.)	Engine Block Heater
0° F	Suggested	Not Needed
-10° F	Recommended	Suggested
-20° F	Recommended	Recommended
Below -20° F	Strongly Recommended	Strongly Recommended

DEFINITIONS

Suggested: Helpful, but not needed.

Recommended: Could improve reliability in less-than-ideal conditions.

Strongly Recommended: Will give definite improvement over the standard components.

Dual Batteries: Higher-capacity batteries available. (Usage varies by model.)

Engine Block Heater: Available equipment for all engines. (Usage and heater capacity vary with engine requirements.)

2022 E-Series > **Specs** > Electrical

Standard Lighting/Reflector Equipment

Light Reflector	Application
Headlamps (Halogen)	All Series — Two replaceable bulbs with all models
Parking Lamps	All Series — Integral with turn signals
Front/Rear Turn Signals	All Series
Front Side Marker Lamps	All Series
Front Side Reflectors	All Series
Rear Side Reflectors	All Series
Rear Side Marker Lamps	All Series — integral with taillamps
License Plate Lamps	All Series
Two Combination Taillamps with Integral Stop, Turn Signal and Backup Lamps and Reflective Surface	All Series
Rear Reflectors	All Series
Front Daytime Running Lamps	All Vehicles Registered in Canada

2022 E-Series > **Specs** > Electrical

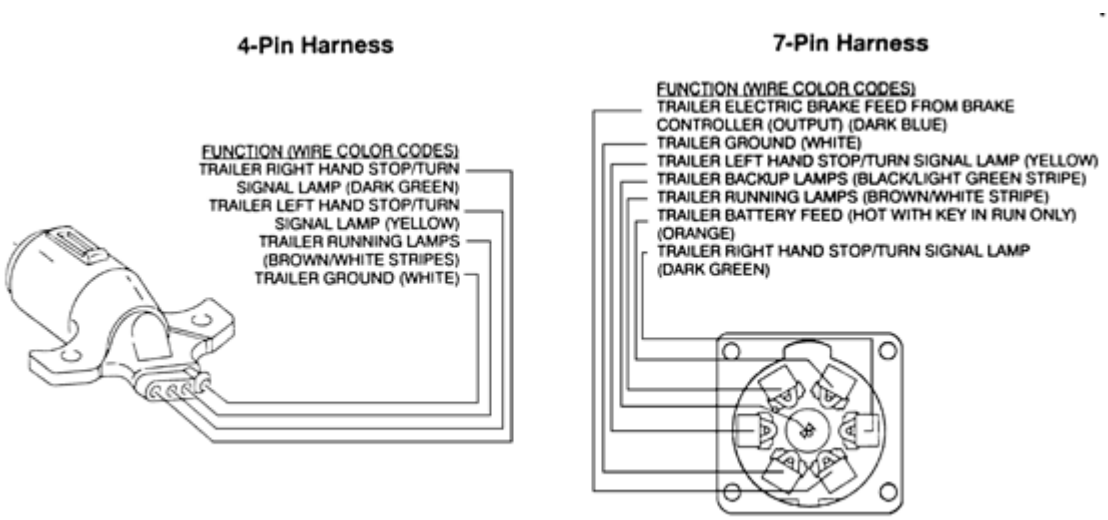
Light Specifications and Usage

Lamp	Code	Description	Usage
Cab Marker — (5 lights) Amber	STD	Torpedo, Hella	All Model Series
Daytime Running Lamps	STD	(2) Replaceable Bulbs, Halogen	All Vehicles Registered in Canada
Headlamps	STD	(2) Replaceable Bulbs, Halogen	All Vehicles Registered in U.S. and Canada

2022 E-Series > **Specs** > Electrical

Trailer Towing Wiring Harness

Circuit Number	Circuit Description	Color Code
RAT08	Ground	White
CAT17	Parking Lamps	Brown
CAT14	Trailer Battery Feed	Orange
CAT19	To Electric Brakes	Dark Blue
CAT09	RH Turn Signal and Stop Lamps	Dark Green
CAT06	LH Turn Signal and Stop Lamps	Yellow
CAT03/CAT16	Trailer Backup Lamps	Gray with Brown Stripe
CBP30	Front Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Blue Stripe
CBP40	Rear Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Green Stripe
CLS30	Brake Controller Running Lamp Feed/Park Lamp Feed	Violet with White Stripe
CCB08	Vehicle Stop Lamps	Violet with White Stripe
SBB18/SBB17	B+ to Electric Brake Controller	Yellow with Red Stripe


4-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPES)
TRAILER GROUND (WHITE)
7-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER ELECTRIC BRAKE FEED FROM BRAKE CONTROLLER (OUTPUT) (DARK BLUE)
TRAILER GROUND (WHITE)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER BACKUP LAMPS (BLACK/LIGHT GREEN STRIPE)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPE)
TRAILER BATTERY FEED (HOT WITH KEY IN RUN ONLY) (ORANGE)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)

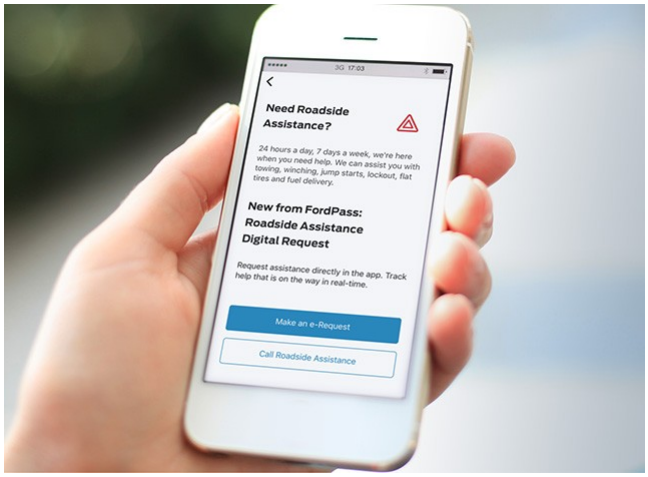
2022 E-Series > Specs

Warranties

24-HOUR ROADSIDE ASSISTANCE[1]

- Owners can call the toll-free number (1-800-241-3673) 24 hours a day
- Customers can also use their FordPass[2] App:
  - Tap the red Hazard icon at the top of the screen
  - Tap the Make an e-Request button
  - Follow the prompts, which allow owners to identify the type of service they need
  - Owners can follow real-time progress of their request on the FordPass map
- Services available include flat tire change, towing to the nearest Ford dealership, fuel delivery, jump start and lockout assistance
- The FordPass App also offers a link to Accident Assistance under Vehicle Details/Vehicle Support
  - Accident Assistance includes information on what to do in an accident and about collision repairs

- It also provides a collision shop locator that identifies the nearest Ford Certified Collision Center


Need Roadside Assistance?
24 hours a day, 7 days a week, we're here when you need help. We can assist you with towing, winching, jump starts, lockout, flat tires and fuel delivery.
New from FordPass: Roadside Assistance Digital Request
Request assistance directly in the app. Track help that is on the way in real-time.
Make an e-Request
Call Roadside Assistance

POWERTRAIN LIMITED WARRANTY

- Powertrain Limited Warranty for Ford vehicles is 5 years or 60,000 miles, whichever comes first
- That's an additional 2 years/24,000 miles (whichever comes first) of coverage for components such as the engine, transmission and rear-wheel-drive parts (refer to the vehicle owner's manual for a more comprehensive list of all the parts covered) beyond the vehicle's 3-year/36,000-mile (whichever comes first) bumper-to-bumper limited warranty

NEW VEHICLE LIMITED WARRANTIES

- 3-year/36,000-mile (whichever comes first) bumper-to-bumper; no deductible
- 5-year/60,000-mile (whichever comes first) Powertrain Limited Warranty
- 5-year/unlimited-mileage (whichever comes first) Corrosion Perforation (aluminum panels don't require perforation)
- 5-year/60,000-mile (whichever comes first) Safety Restraint Warranty

(1) Roadside Assistance is included for certain owners and available to everyone for a per-service fee. Ford reserves the right to change program details without obligations. Ford Roadside Assistance is a complimentary offering to all Ford owners for up to 5 years or 60,000 miles (from the date of sale), whichever occurs first.

(2) FordPass, compatible with select smartphone platforms, is available via a download. Message and data rates may apply.

NOTE: See **www.motorcraftservice.com** for a link to a printable PDF of the Warranty Guide.